



## Safety Data Sheet

Material Name: Propylene Glycol Methyl Ether

SDS ID: 820216

### \*\*\* Section 1 - Identification \*\*\*

#### Product Identifier

Propylene Glycol Methyl Ether

#### Synonyms

Not available

#### Product Use

Industrial applications. If this product is used in combination with other products, refer to the Safety Data Sheets for those products.

#### Restrictions on Use

None known.

#### Manufacturer Information

Safety-Kleen Systems, Inc.  
2600 North Central Expressway  
Suite 200  
Richardson, TX 75080

Phone: 1-800-669-5740  
www.safety-kleen.com

Emergency # 1-800-468-1760

#### Issue Date

June 28, 2019

#### Supersedes Issue Date

February 1, 2016

#### Original Issue Date

July 22, 2015

### \*\*\* Section 2 - Hazard(s) Identification \*\*\*

#### Classification in Accordance with 29 CFR 1910.1200.

Flammable Liquids, Category 3

Serious Eye Damage/Eye Irritation, Category 2B

Specific Target Organ Toxicity - Single Exposure, Category 3 (central nervous system)

#### GHS LABEL ELEMENTS

##### Symbol(s)



#### Signal Word

WARNING!

#### Hazard Statement(s)

Flammable liquid and vapor

Causes eye irritation

May cause drowsiness and dizziness

#### Precautionary Statement(s)

##### Prevention

Keep away from heat, sparks, open flame, and hot surfaces - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing vapor or mist. Use only outdoors or in a well-ventilated area. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling.

# Safety Data Sheet

Material Name: Propylene Glycol Methyl Ether

SDS ID: 820216

## Response

In case of fire, use media appropriate for extinction. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

## Storage

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

## Disposal

Dispose of in accordance with all applicable federal, state and local regulations.

## Hazard(s) Not Otherwise Classified

None known.

### \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

CAS	Component	Percent
107-98-2	Propylene glycol methyl ether	95-100

### \*\*\* Section 4 - First Aid Measures \*\*\*

## Description of Necessary Measures

### Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

### Skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

### Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

### Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

## Most Important Symptoms/Effects

### Acute

Eye irritation, central nervous system depression

### Delayed

No information on significant adverse effects.

## Indication of Immediate Medical Attention and Special Treatment Needed, If Needed

Treat symptomatically and supportively. Call 1-800-468-1760 for additional information.

### \*\*\* Section 5 - Fire-Fighting Measures \*\*\*

## Suitable Extinguishing Media

Carbon dioxide, regular dry chemical, water spray, alcohol resistant foam

## Unsuitable Extinguishing Media

Do not use high-pressure water streams.

## Specific Hazards Arising from the Chemical

Flammable liquid and vapor. Avoid friction, static electricity and sparks. The vapor is heavier than air. Vapors or gases may ignite at distant ignition sources and flash back. Empty containers may contain product residue. Run-off to sewer may create a fire hazard.

# Safety Data Sheet

Material Name: Propylene Glycol Methyl Ether

SDS ID: 820216

## Hazardous Combustion Products

Oxides of carbon

## Special Protective Equipment and Precautions for Firefighters

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

## Fire Fighting Measures

Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. Apply water from a protected location or from a safe distance. Dike for later disposal.

## \*\*\* Section 6 - Accidental Release Measures \*\*\*

### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8. Avoid release to the environment.

### Methods and Materials for Containment and Clean Up

Remove all ignition sources. Do not touch or walk through spilled material. Stop leak if possible without personal risk. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean tool into a sealable container for disposal. Additionally, for large spills: Dike far ahead of liquid spill for collection and later disposal.

## \*\*\* Section 7 - Handling and Storage \*\*\*

### Precautions for Safe Handling

Keep away from heat, sparks, open flame, and hot surfaces - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing vapor or mist. Use only outdoors or in a well-ventilated area. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling.

### Conditions for Safe Storage, Including Any Incompatibilities

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. See SECTION 14: TRANSPORT INFORMATION for packing group information.

### Incompatibilities

Oxidizing materials

## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

### Component Exposure Limits

Propylene glycol methyl ether	107-98-2
ACGIH:	50 ppm TWA
	100 ppm STEL
NIOSH:	100 ppm TWA ; 360 mg/m <sup>3</sup> TWA
	150 ppm STEL ; 540 mg/m <sup>3</sup> STEL
Europe:	100 ppm TWA ; 375 mg/m <sup>3</sup> TWA

## Safety Data Sheet

**Material Name: Propylene Glycol Methyl Ether**

**SDS ID: 820216**

	Possibility of significant uptake through the skin
	150 ppm STEL ; 568 mg/m <sup>3</sup> STEL
Mexico:	100 ppm TWA [VLE-PPT ]
	150 ppm STEL [PPT-CT ]

**ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)**

There are no biological limit values for any of this product's components.

**Engineering Controls**

Provide general ventilation. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls.

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/face protection**

Wear safety glasses. Additional protection like goggles, face shields, or respirators may be needed dependent upon anticipated use and concentrations of mists or vapors. Eye wash fountain and emergency showers are recommended. Contact lens use is not recommended.

**Respiratory Protection**

Use NIOSH-certified P- or R- series particulate filter and organic vapor cartridges when concentration of vapor or mist exceeds applicable exposure limits. Protection provided by air purifying respirators is limited. Do not use N-rated respirators. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4.

**Glove Recommendations**

Where skin contact is likely, wear gloves impervious to product; use of natural rubber (latex) or equivalent gloves is not recommended. To avoid prolonged or repeated contact where spills and splashes are likely, wear appropriate chemical-resistant face shield, boots, apron, whole body suits or other protective clothing.

**Protective Materials**

Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to regulatory requirements. The following PPE should be considered the minimum required: Gloves, Safety glasses, and Lab coat or apron.

**\*\*\* Section 9 - Physical & Chemical Properties \*\*\***

<p><b>Appearance/Odor :</b> Clear, liquid, sweet odor</p> <p><b>Odor Threshold:</b> Not available</p> <p><b>Melting Point:</b> Not available</p> <p><b>Specific Gravity:</b> Not available</p> <p><b>Octanol/H<sub>2</sub>O Coeff.:</b> Not available</p> <p><b>Auto Ignition Temperature:</b> Not available</p> <p><b>Flash Point:</b> 32°C (OC) (Propylene glycol methyl ether)</p> <p><b>Viscosity:</b> Not available</p> <p><b>Vapor Density:</b> Not available</p> <p><b>Flammability (solid, gas):</b> Not applicable</p>	<p><b>pH:</b> 7-9</p> <p><b>Boiling Point:</b> Not available</p> <p><b>Solubility (H<sub>2</sub>O):</b> Not available</p> <p><b>Density:</b> Not available</p> <p><b>Evaporation Rate:</b> Not available</p> <p><b>LFL:</b> Not available</p> <p><b>UFL:</b> Not available</p> <p><b>Vapor Pressure:</b></p> <p><b>Decomposition Temperature:</b> Not available</p>
---	---

# Safety Data Sheet

Material Name: Propylene Glycol Methyl Ether

SDS ID: 820216

## \*\*\* Section 10 - Stability & Reactivity \*\*\*

### Reactivity

May form explosive peroxides.

### Chemical Stability

May form explosive peroxides. Avoid prolonged storage or contact with air, light or storage and use above room temperature.

### Possibility of Hazardous Reactions

Will not polymerize.

### Conditions To Avoid

Avoid heat, sparks, flames, and other sources of ignition Avoid contact with incompatible materials.

### Incompatible Materials

Oxidizing materials

### Hazardous Decomposition Products

Oxides of carbon

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Information on Likely Routes of Exposure

#### Inhalation

May cause central nervous system depression.

#### Skin Contact

May cause skin irritation.

#### Eye Contact

Causes eye irritation.

#### Ingestion

May cause central nervous system depression.

### Acute and Chronic Toxicity

#### Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

#### Propylene glycol methyl ether (107-98-2)

Oral LD50 Rat 5000 mg/kg; Dermal LD50 Rabbit 13 g/kg; Inhalation LC50 Rat >7559 ppm 6 h (no deaths occurred)

### Product Toxicity Data

#### Acute Toxicity Estimate

No data available.

#### Immediate Effects

Causes eye irritation, central nervous system depression.

#### Delayed Effects

No information on significant adverse effects.

#### Irritation/Corrosivity Data

Causes eye irritation.

#### Respiratory Sensitization

No information available for the product.

#### Dermal Sensitization

No information available for the product.

### Component Carcinogenicity

Propylene glycol methyl ether	107-98-2
ACGIH:	A4 - Not Classifiable as a Human Carcinogen

### Germ Cell Mutagenicity

Based on best current information, there is no known mutagenicity associated with this product.

### Tumorigenic Data

Based on best current information, there is no known teratogenicity associated with this product.

# Safety Data Sheet

Material Name: Propylene Glycol Methyl Ether

SDS ID: 820216

## Reproductive Toxicity

Based on best current information, there is no known reproductive toxicity associated with this product.

## Specific Target Organ Toxicity - Single Exposure

Central nervous system.

## Specific Target Organ Toxicity - Repeated Exposure

No target organs identified.

## Aspiration hazard

No information available for the product.

## Medical Conditions Aggravated by Exposure

No information is available.

## Additional Data

No additional information is available.

## \*\*\* Section 12 - Ecological Information \*\*\*

### Component Analysis - Aquatic Toxicity

Propylene glycol methyl ether	107-98-2
Fish:	LC50 96 h Pimephales promelas 20.8 g/L [static ]
Invertebrate:	EC50 48 h Daphnia magna 23300 mg/L IUCLID

### Persistence and Degradability

No information available for the product.

### Bioaccumulative Potential

No information available for the product.

### Mobility

No information available for the product.

### Other Toxicity

No additional information is available.

## \*\*\* Section 13 - Disposal Considerations \*\*\*

### Disposal Methods

Dispose of in accordance with all applicable federal, state and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding proper recycling or disposal.

Hazardous Waste Number(s): D001. Based on available data, this information applies to the product as supplied to the user.

Processing, use, or contamination by the user may change the waste code applicable to the disposal of this product.

## \*\*\* Section 14 - Transport Information \*\*\*

### US DOT Information:

Shipping Name: 1-METHOXY-2-PROPANOL

Hazard Class: 3

UN/NA #: UN3092

Packing Group: III

Required Label(s): 3

### IATA Information:

Shipping Name: 1-METHOXY-2-PROPANOL

Hazard Class: 3

UN#: UN3092

# Safety Data Sheet

Material Name: Propylene Glycol Methyl Ether

SDS ID: 820216

**Packing Group:** III  
**Required Label(s):** 3

**IMDG Information:**  
**Shipping Name:** 1-METHOXY-2-PROPANOL  
**Hazard Class:** 3  
**UN#:** UN3092  
**Packing Group:** III  
**Required Label(s):** 3

**TDG Information:**  
**Shipping Name:** 1-METHOXY-2-PROPANOL  
**Hazard Class:** 3  
**UN#:** UN3092  
**Packing Group:** III  
**Required Label(s):** 3

**International Bulk Chemical Code**

This material does not contain any chemicals required by the IBC Code to be identified as dangerous chemicals in bulk

**\*\*\* Section 15 - Regulatory Information \*\*\***

**U.S. Federal Regulations**

None of this product's components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

**SARA Section 311/312 (40 CFR 370 Subparts B and C) reporting categories**

Flammable; Serious Eye Damage/Eye Irritation; Specific Target Organ Toxicity

**U.S. State Regulations**

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
<b>Propylene glycol methyl ether</b>	<b>107-98-2</b>	Yes	Yes	Yes	Yes	Yes

**California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)**

Not listed under California Proposition 65.

**Component Analysis - Inventory**

**Propylene glycol methyl ether (107-98-2)**

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA		MX	NZ	PH	TH-TECI	TW	VN (Draft)	
No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	

**Canadian Regulations**

This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR.

# Safety Data Sheet

Material Name: Propylene Glycol Methyl Ether

SDS ID: 820216

## Component Analysis

Component	CAS #	CAN
Propylene glycol methyl ether	107-98-2	DSL

### \*\*\* Section 16 - Other Information \*\*\*

**NFPA Ratings: Health: 2 Fire: 2 Reactivity: 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

#### Summary of Changes

Regulatory review and update.

#### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania\*; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CFR - Code of Federal Regulations (US); CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EC - European Commission; EEC - European Economic Community; EIN - European Inventory of (Existing Commercial Chemical Substances); EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; F - Background (for Venezuela Biological Exposure Indices); IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; ISHL - Japan Industrial Safety and Health Law; IUCLID - International Uniform Chemical Information Database; JP - Japan; Kow - Octanol/water partition coefficient; KR KECI Annex 1 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL); KR KECI Annex 2 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL), KR - Korea; LD50/LC50 - Lethal Dose/ Lethal Concentration; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; MX - Mexico; Ne- Non-specific; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; Nq - Non-quantitative; NSL - Non-Domestic Substance List (Canada); NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PEL - Permissible Exposure Limit; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; Sc - Semi-quantitative; STEL - Short-term Exposure Limit; TCCA - Korea Toxic Chemicals Control Act; TDG - Transportation of Dangerous Goods; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TW - Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; VLE - Exposure Limit Value (Mexico); VN (Draft) - Vietnam (Draft); WHMIS - Workplace Hazardous Materials Information System (Canada).

#### Other Information

##### Disclaimer:

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information or the product to which the information refers. The data contained on this sheet apply to the product as supplier to the user.